



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov



Bib Data Sheet

CONFIRMATION NO. 6427

SERIAL NUMBER 10/730,867	FILING DATE 12/09/2003  RULE	CLASS 165	GROUP ART UNIT 3753	ATTORNEY DOCKET NO. 2-5635-001
-----------------------------	---------------------------------------	--------------	------------------------	--------------------------------------

## APPLICANTS

Edward F. McNair, Adel, IA;

\*\* CONTINUING DATA *none* *TSW*\*\* FOREIGN APPLICATIONS *none* *TSW*IF REQUIRED, FOREIGN FILING LICENSE GRANTED  
\*\* 03/09/2004

\*\* SMALL ENTITY \*\*

Foreign Priority claimed ☐ yes ☒ no  
35 USC 119 (a-d) conditions met ☐ yes ☒ no ☐ Met after Allowance  
Verified and Acknowledged *J. Wallard* Examiner's Signature Initials

STATE OR  
COUNTRY  
IA

SHEETS  
DRAWING  
4

TOTAL  
CLAIMS  
14

INDEPENDENT  
CLAIMS  
3

## ADDRESS

00803  
STURM & FIX LLP  
206 SIXTH AVENUE  
SUITE 1213  
DES MOINES, IA  
50309-4076

## TITLE

Geothermal heating and/or cooling apparatus and method of using same

FILING FEE  RECEIVED 385	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees ( Filing ) <input type="checkbox"/> 1.17 Fees ( Processing Ext. of time ) <input type="checkbox"/> 1.18 Fees ( Issue ) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit
-----------------------------------	---	---